

FIG. 1

Synergistic effect of EPO-Rp on activation of EPO-receptor

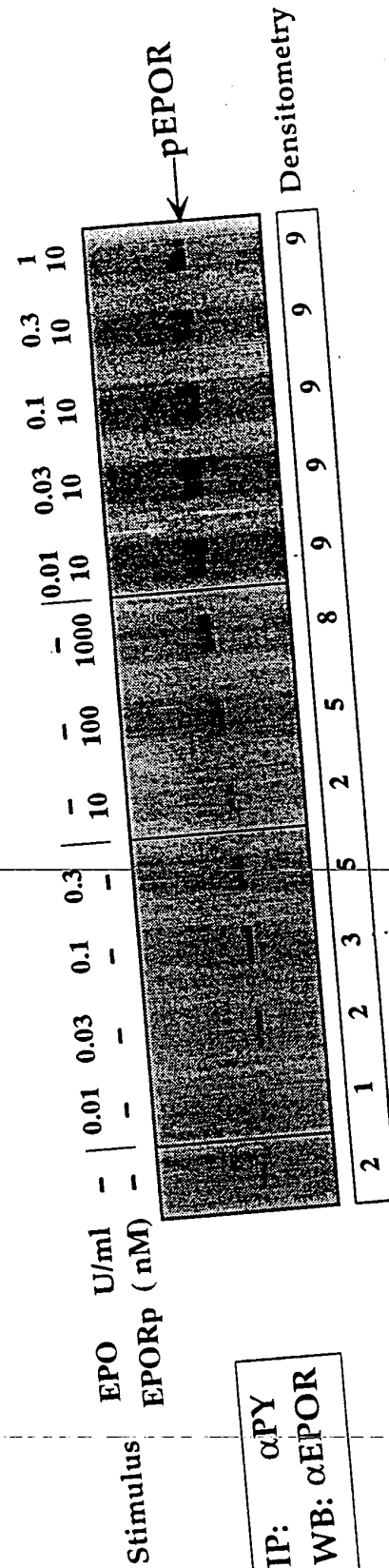
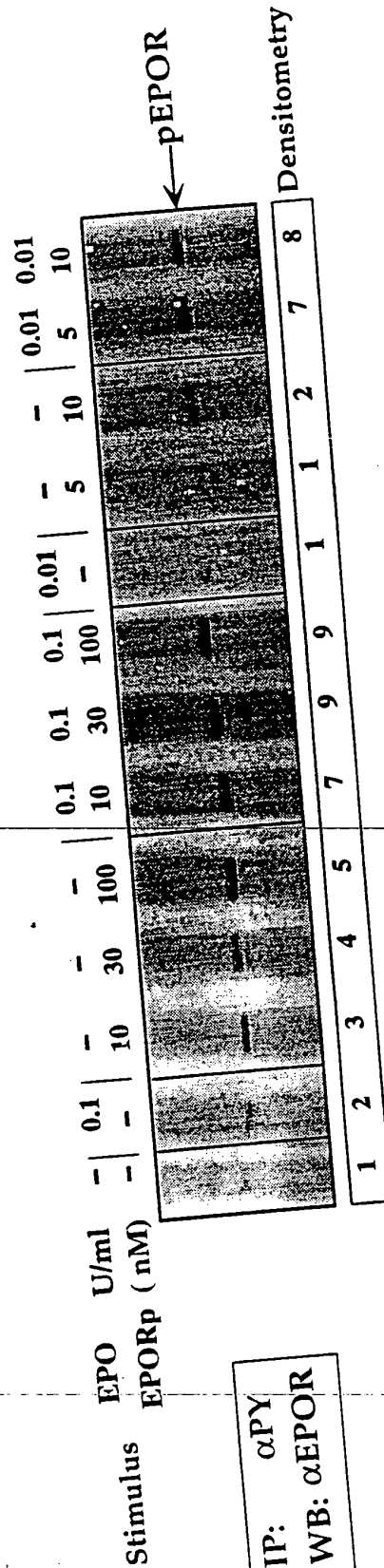
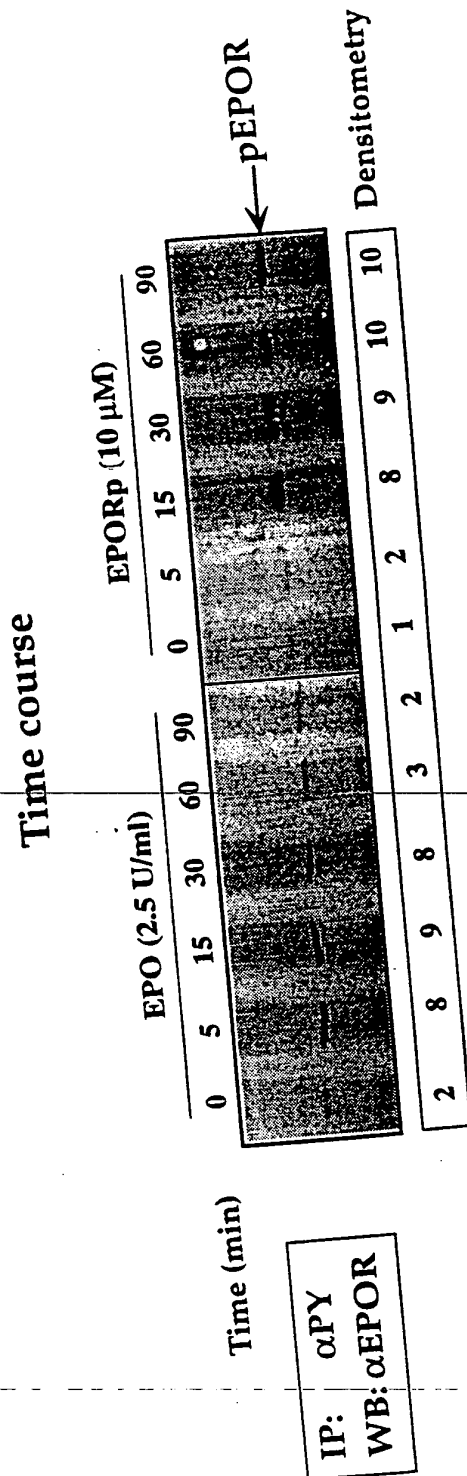


FIG. 2

EPO-Rp promotes tyrosyl phosphorylation and activation of EPO-Receptor



009943-1000

Stimulus	EPO U/ml		EPORp (μM)		GHRp										Densitometry
	-	2.5	-	0.01	0.03	-	0.1	0.3	1	3	10	30	60		
IP: αPY															
WB: αEPOR															

IP: α PY
WB: α EPOR

FIG. 4

EPO-Rp - promotes EPO-Receptor dimerization and association with JAK2

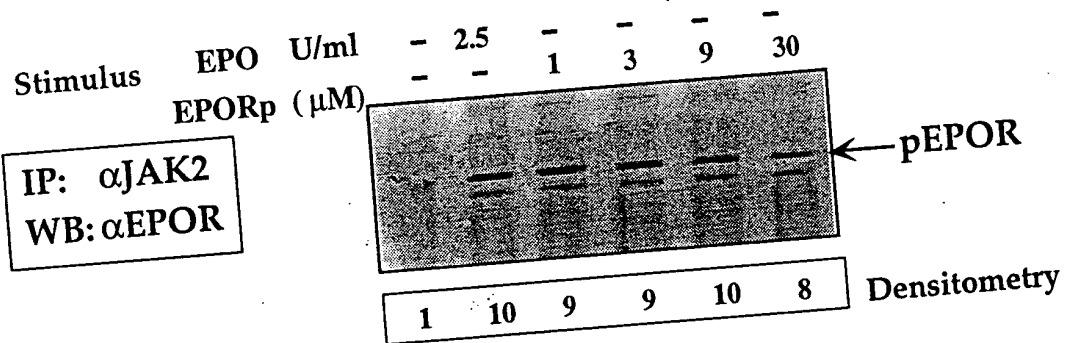


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EPO-Rp selectively activates EPO-receptor

FIG. 5

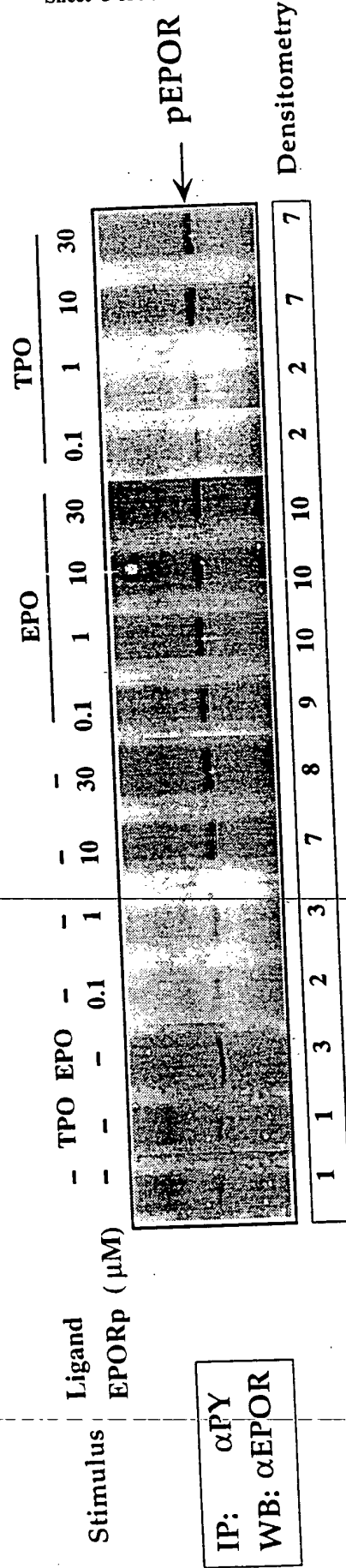
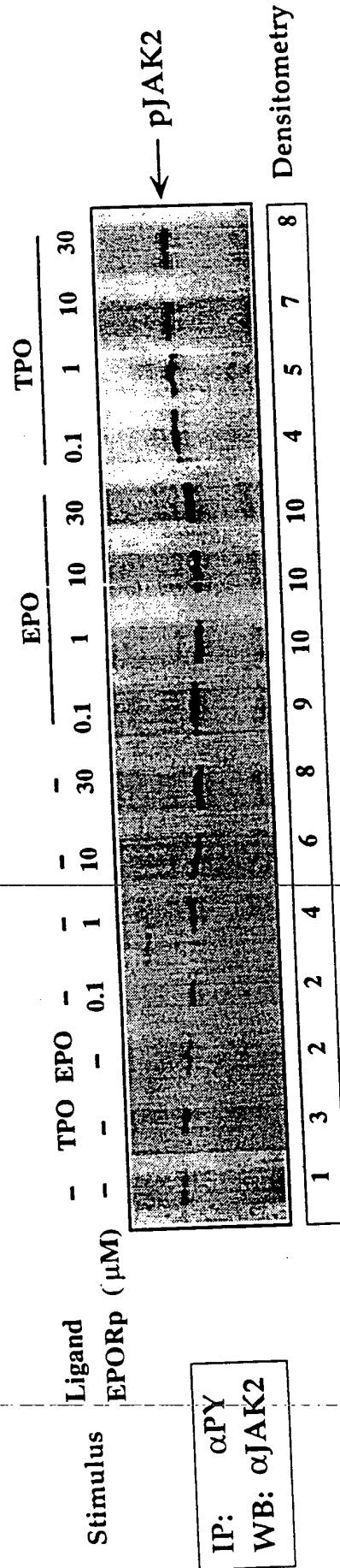


FIG. 6

Erythropoietin Derived Receptor derived Peptide (EPO-Rp)
inhibits Internalization of the EPO-Receptor

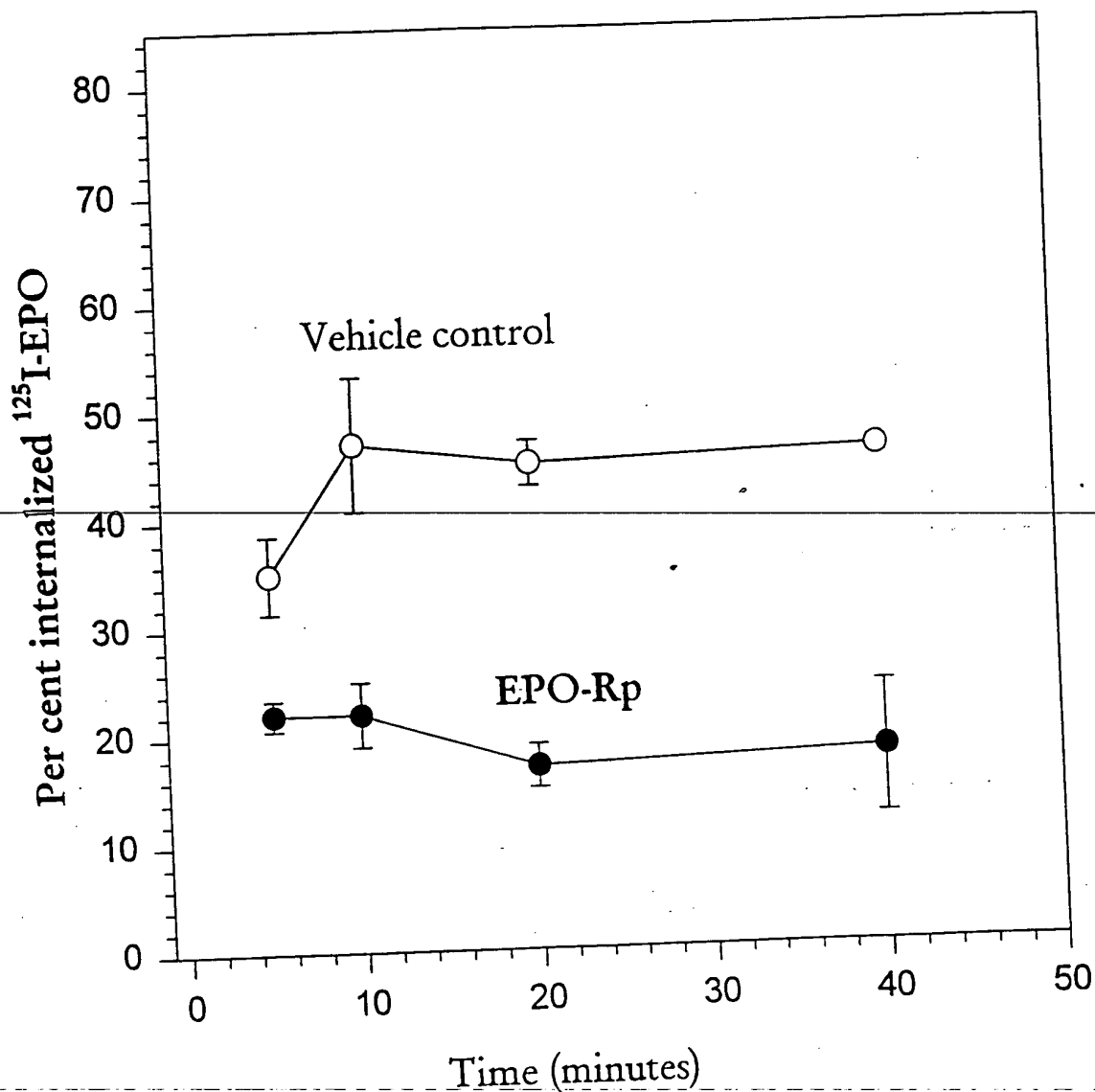
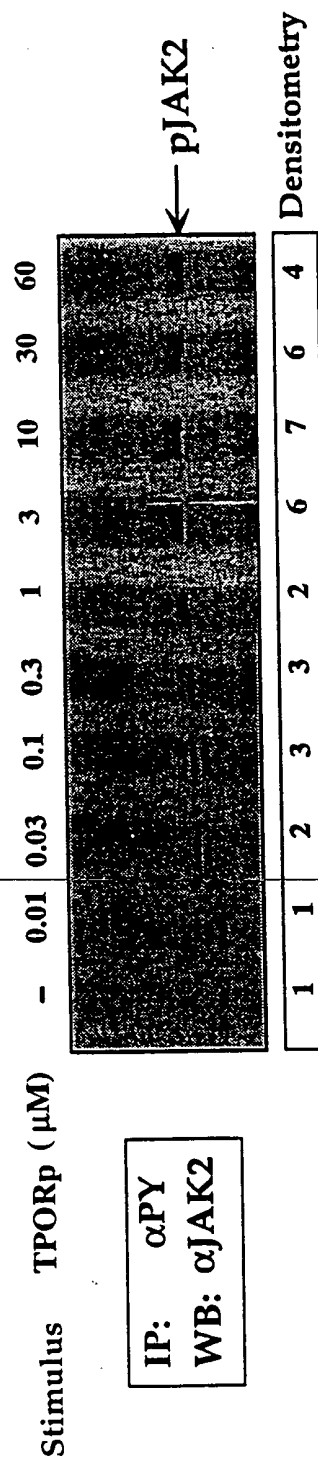


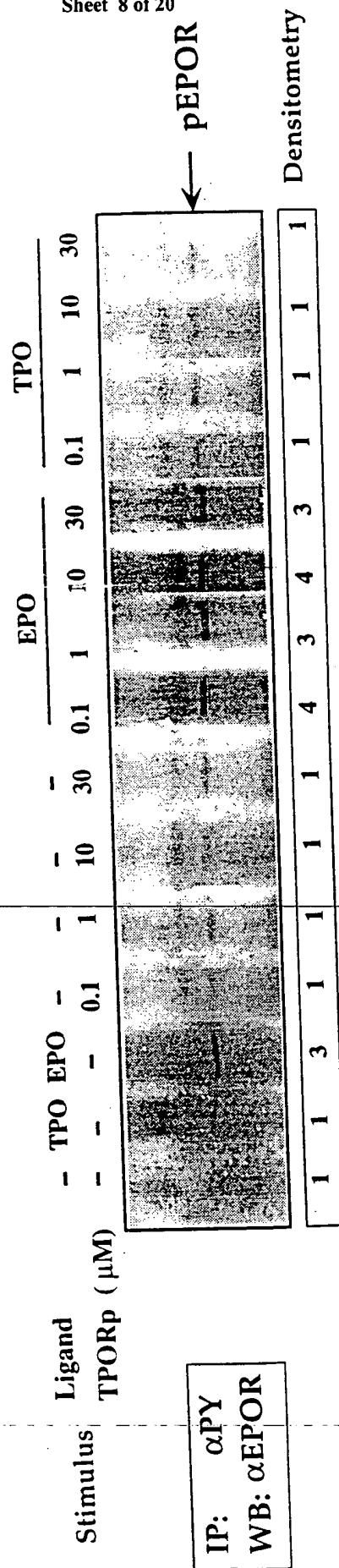
FIG. 7

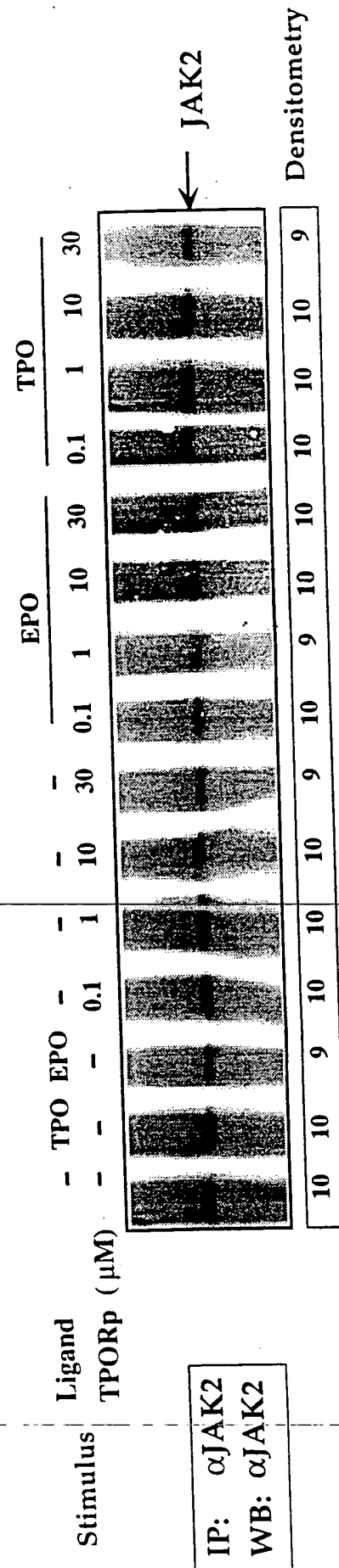
Activation (phosphorylation) of JAK2 by TPORp

Dose response

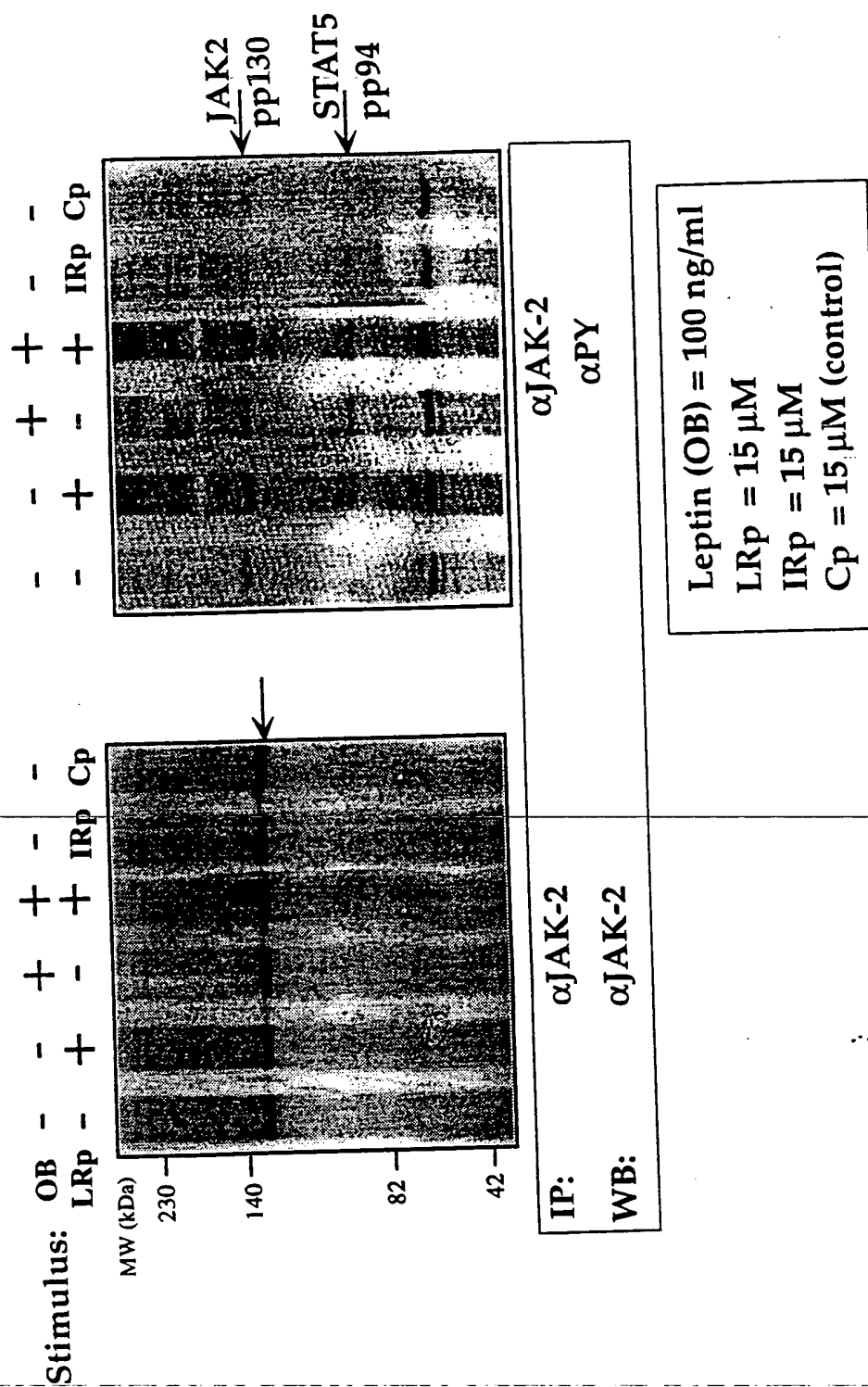


TPO-Rp selectively activates TPO-receptor





Effect of LRP on Leptin Receptor Signaling (OB-R_L)



LRp - enhances signaling through OB-R_L

Activation of JAK2

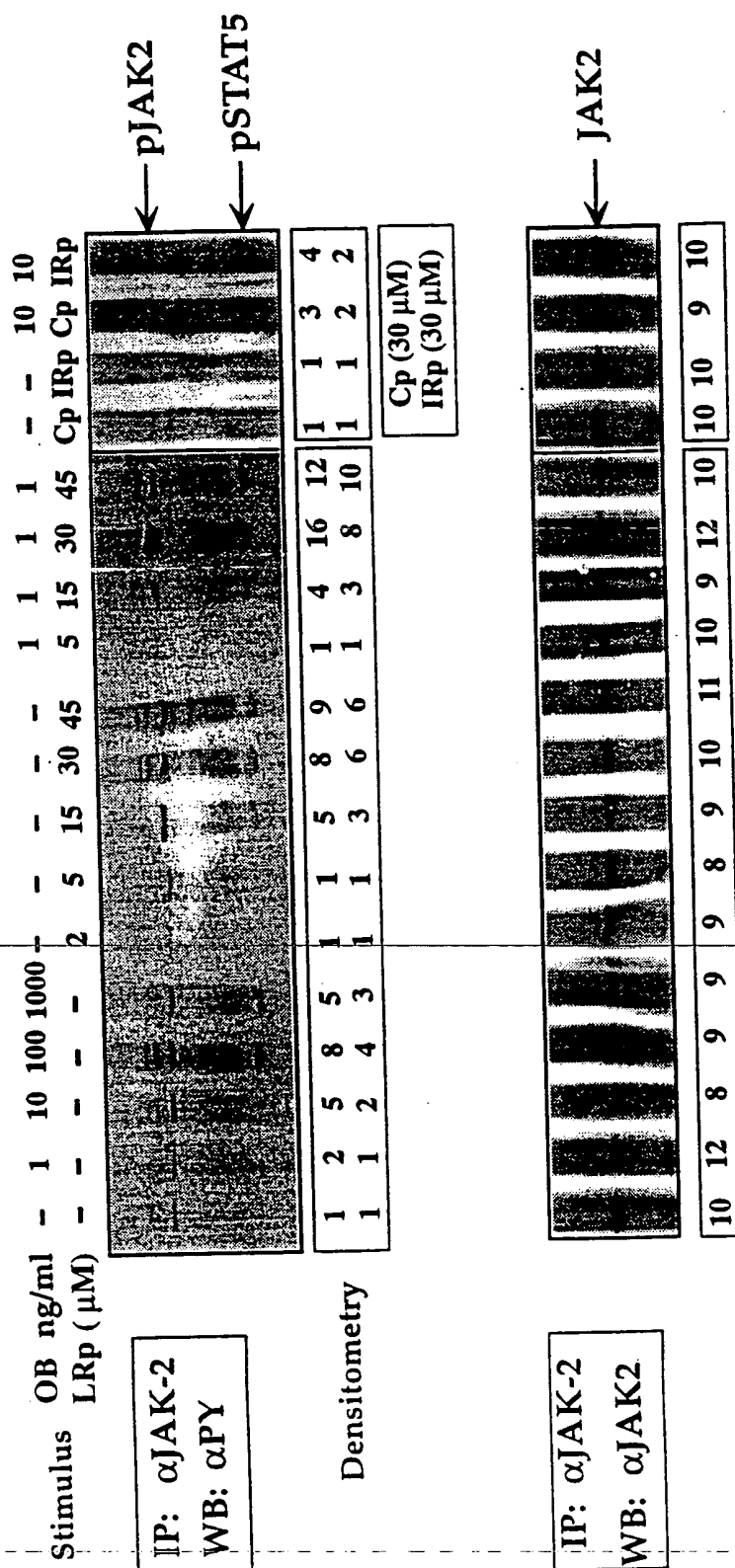
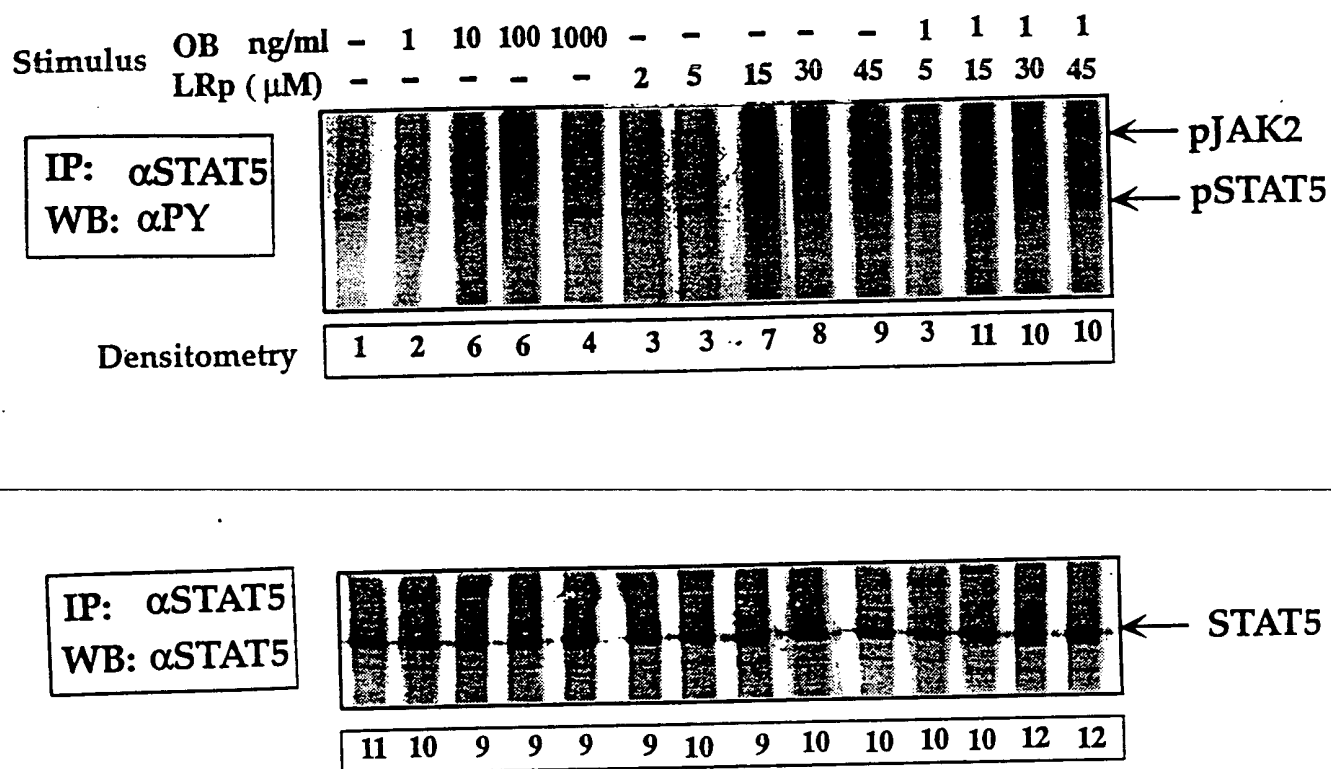


FIG. 12

LRp - enhances signaling through OB-R_L

Activation of STAT5



0991548-11001

FIG. 13

LRp - agonist of OB-R_s signaling

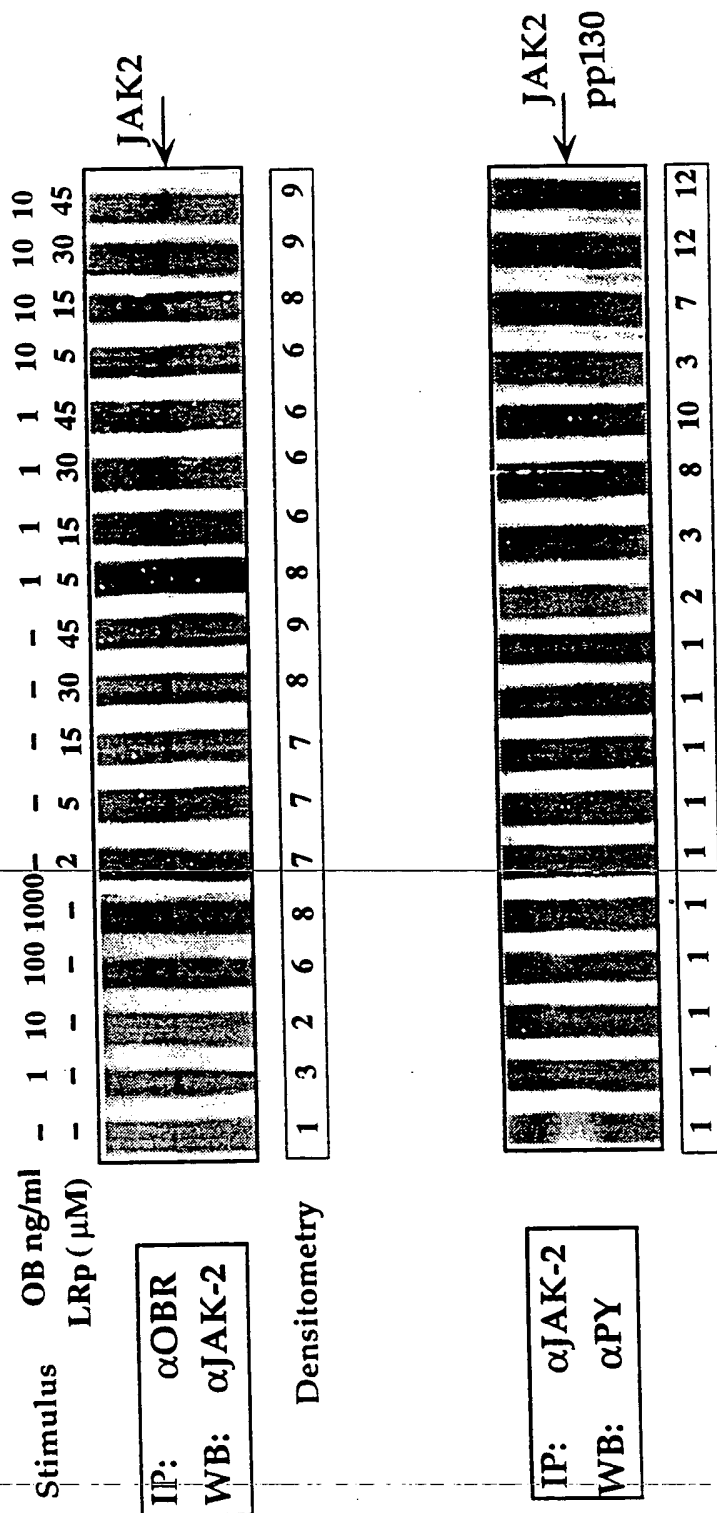
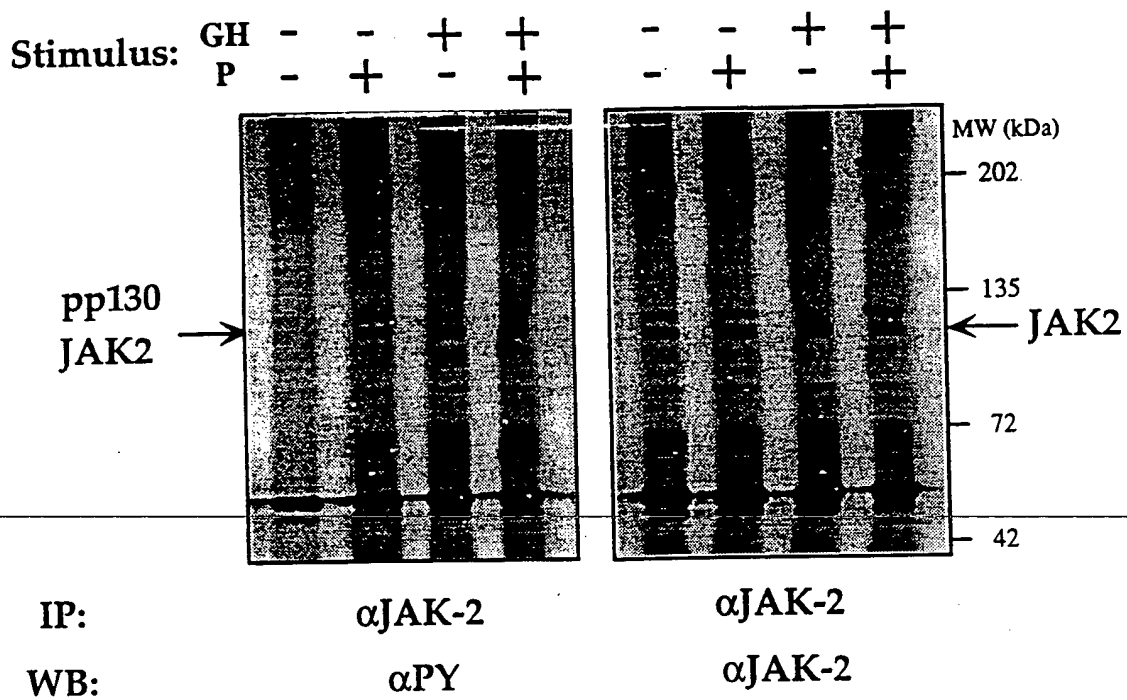


FIG. 14

JAK2 activation by GHR.peptide



Growth Hormone (GH) = 10 nM

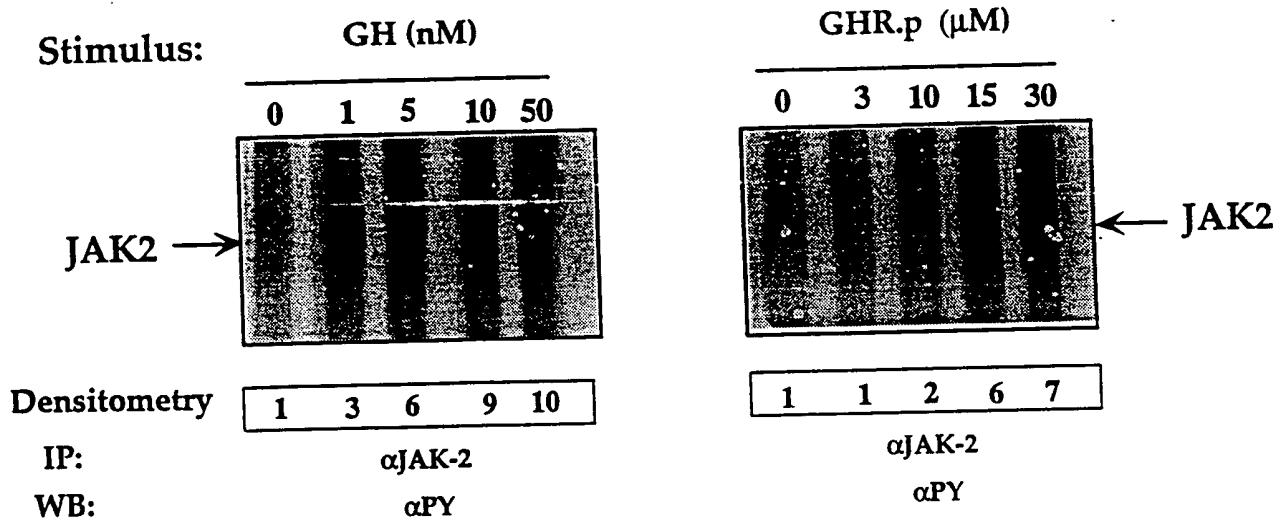
GHR.peptide (P) = 30 μ M

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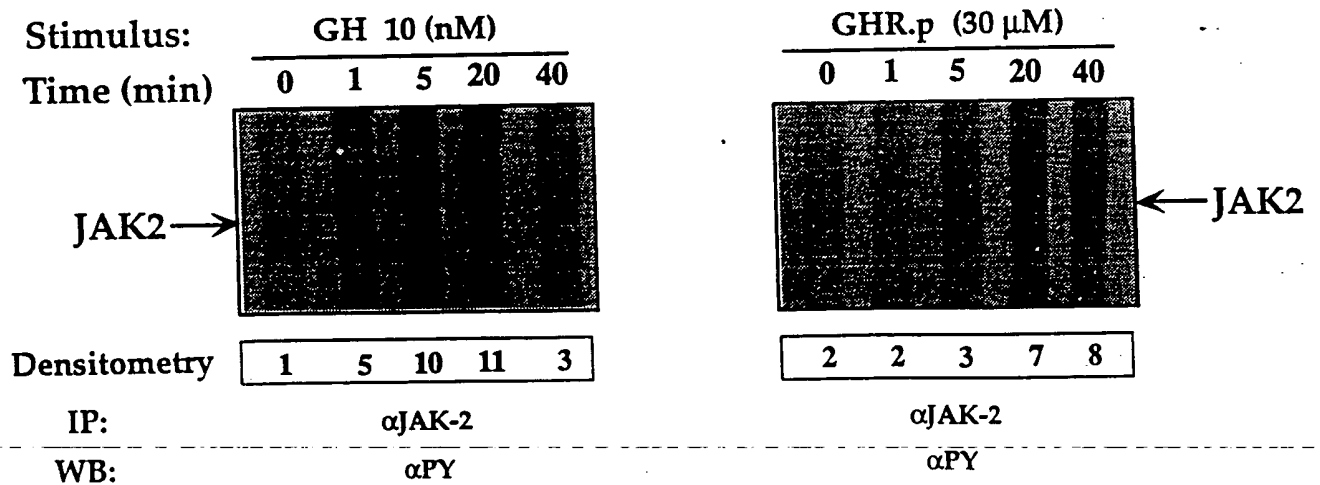
FIG. 15

GHR-peptide promotes tyrosyl phosphorylation of JAK2

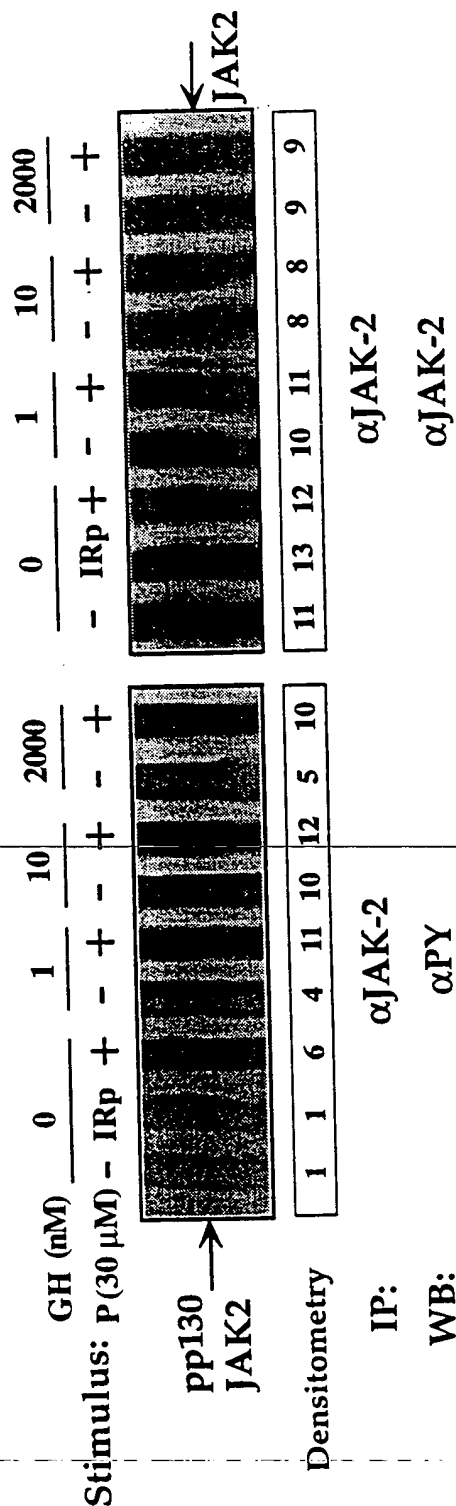
Dose response



Time course



GHR peptide - agonist of GH activation



Suggested peptide mode of action

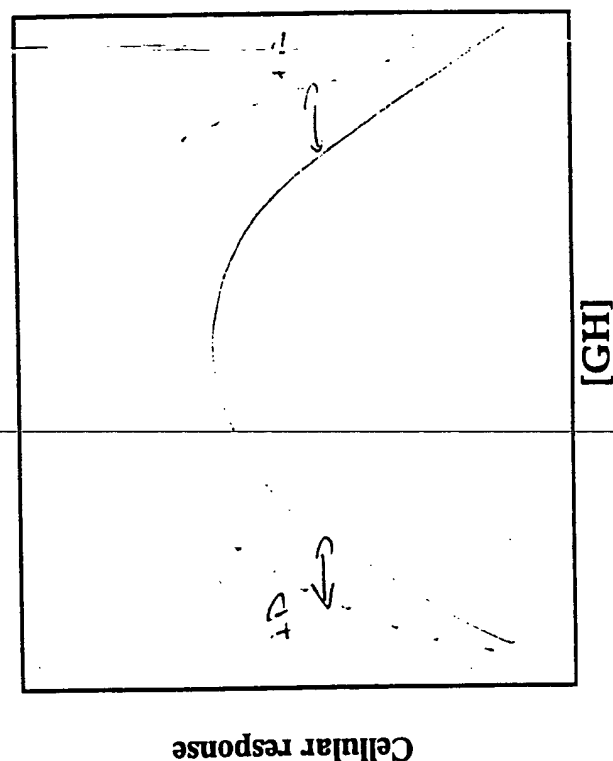


FIG. 17

Synergistic effect of GHRp on JAK2 activation

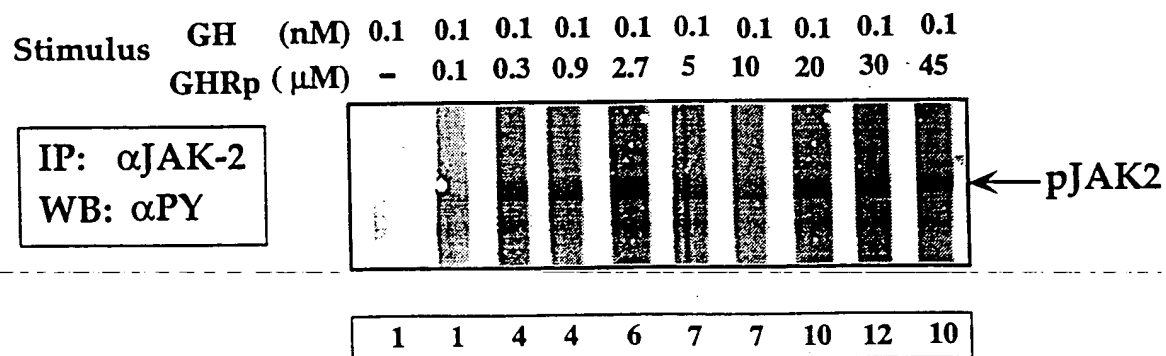
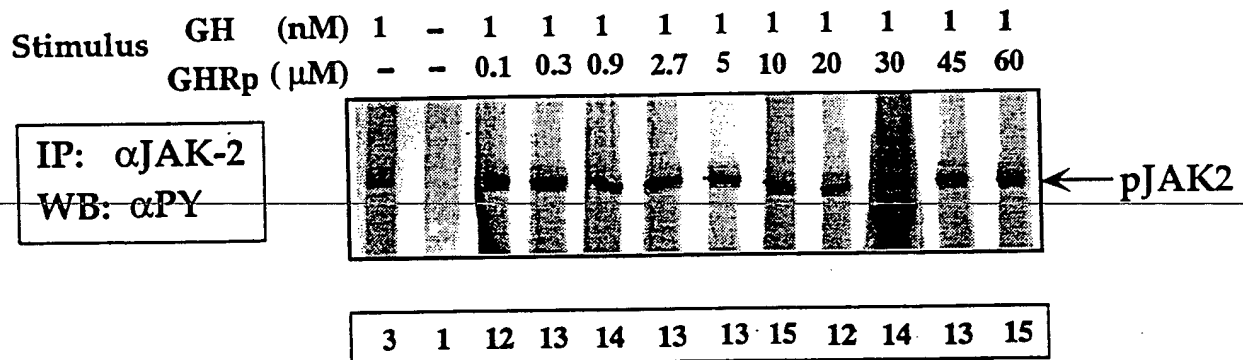
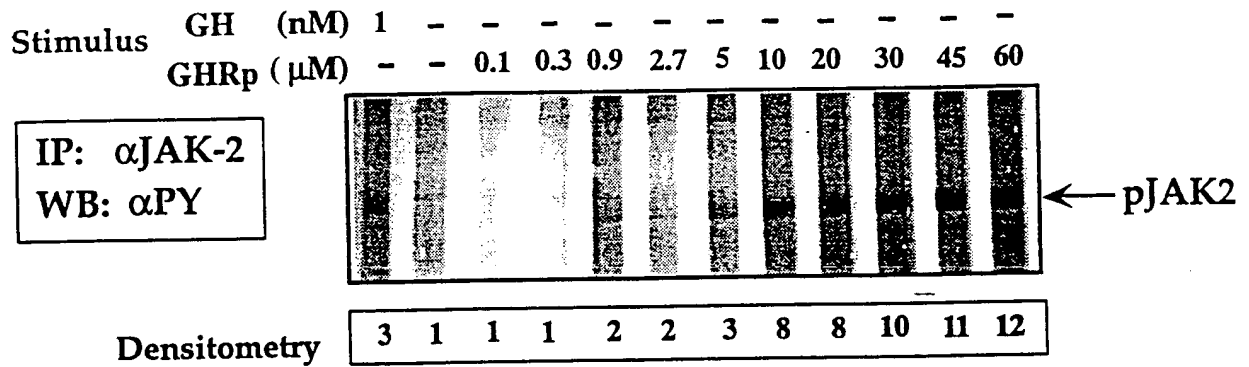
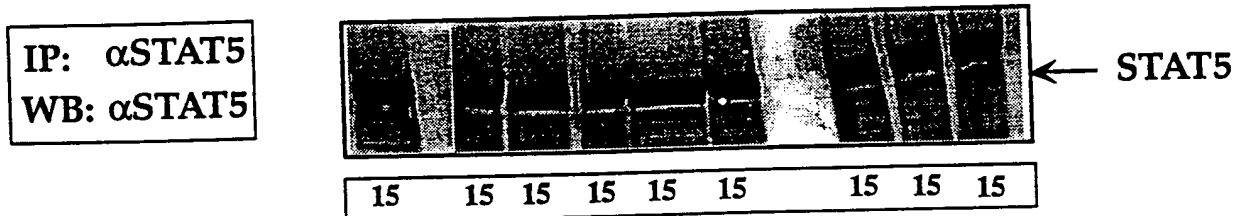
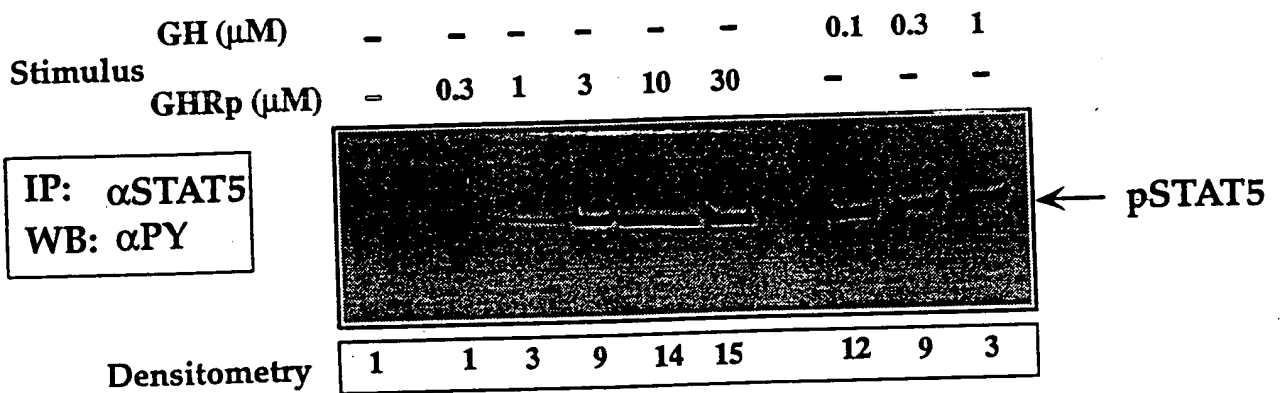


FIG. 18

GHRp - enhances signaling through GH-R

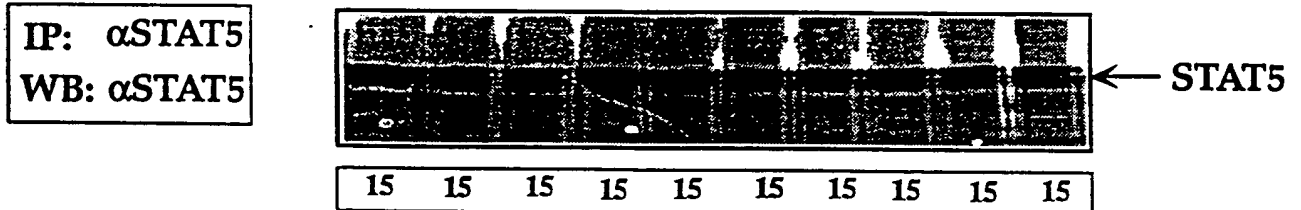
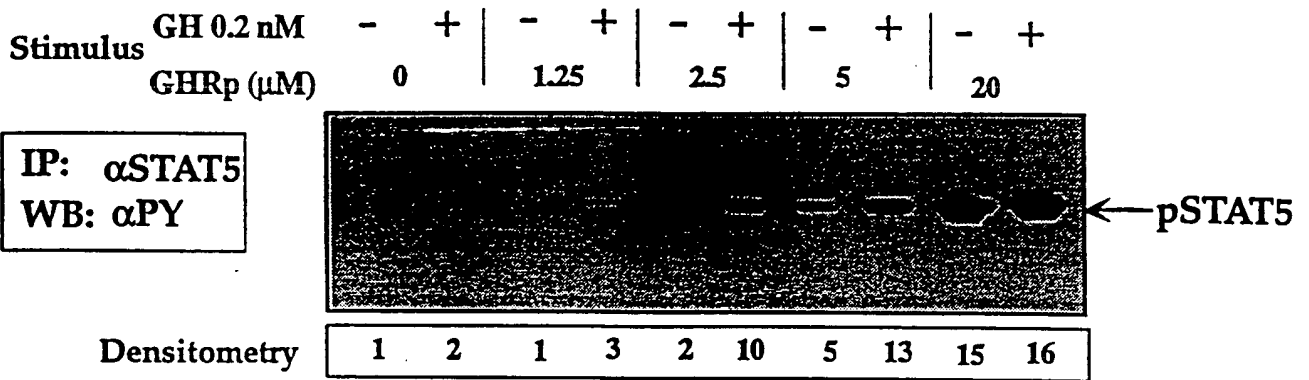
Activation of STAT5



0991543-12001

FIG. 19

Synergistic effect of GHRp on STAT5 activation



09991548-11001

FIG. 20

**Human Growth Hormone Receptor derived Peptide (hGH-Rp)
inhibits selectively Internalization of the GH-Receptor**

Control peptides derived from IGF-1R and Prolactin Receptor (PL)
had no effect on hGH-R, but on IGF-1R and PL-R, respectively

